

## CHAPTER 12. PATIENT MOVEMENT ITEMS (PMI)

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### 12-1. PATIENT MOVEMENT ITEMS (PMI) EQUIPMENT

a. **DEFINITION:** PMI is the specific medical equipment and durable supplies that must be available to support the patient. Examples of PMI include ventilators, litters, patient monitors, and pulse oximeters. The mission of the PMI system is to support patients' in-transit, to exchange in-kind PMI without degrading medical capabilities, and to provide prompt recycling of PMI. It is the originating MTF's responsibility to provide the PMI required in support of the patient during movement. PMI accompanies a patient throughout the chain of movement, from the originating MTF to the destination MTF, whether it is an intra-theater or inter-theater transfer. Planners must ensure that PMI is available at the correct location and ready for use.

b. **AIR-WORTHINESS RELEASE (AWR):** AWR has been approved for the primary PMI used during evacuation of patients on military aircraft. Requests to add items to the AWR list should be sent to the Commandant, AMEDDC&S, ATTN: HSMC-FC, Fort Sam Houston, TX 78234 IAW AR 40-61, section 3-22, paragraph 6d.

c. **PMI Tracking System (PLEXUS-D):** Plexus-D is a software system used to keep track of moveable medical assets such as PMI. It was developed by the Program Management Office DMLSS. Plexus-D keeps track of equipment by collecting scans and sharing the information with other Plexus-D users; thereby making the data available to those managing re-supply. The software is installed on a laptop computer and uses a barcode scanner to load the label readings into a network providing the PMI type, ownership, and location. There is a special printer available for those units that need to create bar code labels to apply to their equipment. Not all units or MTFs will have a PLEXUS-D system. Those who do not have PLEXUS-D will need to track the PMI manually, as described in paragraph 12.2.

### 12-2. PROCEDURES FOR PROCESSING PMI.

#### a. THEATER UNITS.

Combatant Commander. Intra-theater movement of PMI is the responsibility of the theater commander. Theater policy for PMI will be established and distributed to the applicable units, as required.

#### b. CONUS MTFs

(1) As patients are evacuated back to MTFs closer to home station, their care is the first priority. Once they are stabilized and transitioned to a ward at the MTF, the PMI is no longer needed for those patients. The PMI will be used again, therefore, must be returned to the AF transportation channel.

(2) The three divisions within the MTF that coordinate the patient's movement with PMI are; Patient Administration Division (PAD), the Emergency Division (ED) and the Logistics Division (LOG). PMI is affected by the following process as responsibilities distributed to the above divisions;

(a) Chief of PAD will ensure that the timely notification of all inbound and outbound patients is provided to ED and LOG. PAD will also provide them a copy of the Patient Movement Request (PMR).

(b) Chief of ED will manage the patients and the PMI that accompanies them. Once the PMI is no longer needed for the patients, PAD will notify LOG that the PMI is available for pick up.

(c) Chief of LOG will ensure that PMI is picked up, as required, from ED and delivered to the nearest PMI Center location. Managing this PMI includes tracking each item by using manual transfer documents or scanning the items using PLEXUS-D or both.

(3) The TMO can assist in determining which AFB is closest. TAC (F144) is authorized to fund military air. TAC (A1LD) is authorized to fund routine ground transportation. PMI Center Shipping Locations are;

- (a) 89th Medical Group/SGSL PMI Center  
PMI Center (DSN 857-7951)  
ATTN: SSgt Matthew Bacanskas  
3244 Tennessee Ave  
Andrews Air Force Base, MD 20762, MD 20762-5184
- (b) 375th Medical Group/SGSL PMI Center  
PMI Center (DSN 576-1173)  
ATTN: Ms. Iva Merritt  
120 South Adams Street, Bldg 4020  
Scott AFB, IL 62225-5300
- (c) 60th Medical Support Squadron/SGSL PMI Center (DSN 799-3755)  
PMI Center (DSN 799-3755)  
ATTN: SSgt Ramirez  
101 Bodin Circle, Bldg 795  
Travis AFB, CA 94535-1800
- (d) 435th Medical Group/SGSL PMI Center  
PMI Center Ramstein (DSN 314-479-2437)  
ATTN: TSgt Michael Scott  
Unit 3215  
APO AE 09094-3215
- (e) Air Force Medical Support Agency (AFMS/SGSLW)  
Mark For: Patient Movement Items (PMI)  
ATTN: Mr. Steve Messer (DSN 945-6061)  
601 Davy Crockett Road, Bldg 1534  
Kelly USA, TX 78226-1885
- (f) 374th Medical Support Squadron/SGSL  
Yokota PMI Center (DSN 315-225-4932)  
ATTN SSgt Sergio Chinchilla  
Building 4145, Unit 5225  
APO AP 96328-5225

### **12-3. PRINTING PROTOCOL.**

Protocol for printing labels has a specified process. The specific information outlined below describes the required alphanumeric positions for the PLEXUS-D label. The label can be printed by the owning unit, if they have a barcode printer, or can be ordered from the contractor, at no charge to the unit. You don't need to have a barcode printer or even a PLEXUS-D system to label your PMI. The primary reason to put labels on MTOE PMI is in case

float PMI is not available and the unit has to use property book PMI to send with an evacuated patient. The contractor will mail the labels to the unit for application. However, prior to printing or requesting labels, the unit shall contact this office for number assignment in blocks 5-7. The identification code on the label contains 14 positions, as listed below. Examples are listed in para 12-5.

#### 12-4. REFERENCES.

For additional information refer to the below listed documents or contact ACSLOG representatives at 210 221 6044/6435.

- a. Army Regulation 40-61, Chapter 5, Medical Logistics Policies and Procedures, dated 25 January 1995.
- b. Air Force Instruction (AFI) 41-209, Chapter 8, Patient Movement Items (PMI) dated 10 March 2004
- c. Joint Pub 4-02, Doctrine for Health Service Support in Joint Operations dated 30 July 2001.
- d. Joint Pub 4-02.1, Joint Tactics, Techniques, and Procedures for Health Service Logistics Support in Joint Operations dated 6 October 1997.
- e. Joint Pub 4-02.2, Joint Tactics, Techniques and Procedures for Patient Movement in Joint Operations dated 30 December 1996.
- f. FM 4-02.1, Combat Health Logistics, Appendix F-Patient Movement Items dated 28 September 2001.

#### 12-5. PRINTING PROTOCOL SAMPLES

##### **Bar Coding Methodology and Codes**

(20 Dec 05, check for latest version at: <https://private.amc.af.mil/sg/sgsl/sgslpmi> )

PMI will be identified and tracked by a bar code system. The item identification code has 14 positions to identify the type of item and its unique number.

- Positions 1-3 are alpha characters and identify the type of equipment item.
- Position 4 is a character to identify a specific manufacturer/model for that type.
- Positions 5-7 will be a numerical indicator of the PMI Center that issued the bar code label and entered the item into the database.
- Positions 8-14 will be the last seven characters (number or letter) of the item's serial number.

Some older bar codes may exist using the five digit index number (ECN). Those will continue to work and will eventually be changed.

- a. Positions 1-3 are the item codes as listed below.

##### **Equipment Item Codes**

DEF	Defibrillator	STR	Stryker Frame
IVC	IV Controller	SXN	Suction Apparatus
MON	Vital Signs Monitor	OAN	Oxygen Analyzer
POX	Pulse Oximeter	VEN	Ventilator

- b. Position 4 for each equipment item will have an alpha character to specify the manufacturer and model (see para 12-6). This means that each type of equipment (i.e. DEF or VEN) can have up to 26 combinations of manufacturer and models in the PMI program. For example, an oxygen analyzer manufactured by MSA such as Miniox 3000 would be

"OANA", while the same manufacturer's older model, the Miniox III that is still in use, would be an "OANB." The fourth position would be a separate table of manufacturers and models for each equipment type. The codes for an OAN would not be the same for an MON or VEN. Air Mobility Command/Surgeon General (AMC/SG) would establish and maintain the list and ensure coordination with the PMI Centers.

c. Positions 5-7: PMI Centers and owning units have a three digit number (positions 5-7) assigned. This will allow for all current and future PMI Centers and owning units (that will be making bar codes) to be identified. To start, numbers will be assigned as PMI Centers come on line; for example, 001-Scott, 002-Andrews, 003-Travis, 004-Ramstein, 005-Yokota. Users that are part of the PMI tracking system have their assets bar coded with unique identifiers that differentiate between War Reserve Materiel (WRM) and unit ownership. Army units shall contact the MEDCOM ACSLOG office POC to obtain an assigned code for positions 5-7.

d. Positions 8-14 are the last 7 characters (numbers or letters) of the item's serial number (self explanatory).

e. Of the 15 items formally in the PMI program, seven will be tracked as "groups" and will be counted as lot quantities versus by serial number. These items (litters, blankets, etc.) will use a 12 position combination of alpha characters and spaces.

NSN	ITEM	UNIT OF ISSUE	Groups	SOS
1670-00-725-1437	Tie Down, Cargo, Aircraft	Each	Yes	SMS
1670-00-820-4896	Pallet, Cargo, Aircraft, 108x88	Each	No	FLZ
6530-01-431-5146	Ventilator, Portable (Impact 754)	Each	No	S9M
6515-01-452-0625	IV Controller (IVAC MS III)	Each	No	S9M
6615-01-435-0050	Suction Machine (CISU)	Each	No	S9M
6515-01-516-1519	Defibrillator Zoll CCT	Each	No	S9M
6515-01-440-9394	Oxygen Analyzer (Miniox 3000)	Each	No	S9M
6515-01-432-2707	Vital Signs Monitor (Propaq 206EL)	Each	No	S9M
6515-01-446-6766	Pulse Oximeter (BCI 3303)	Each	No	S9M
6530-00-783-7905	Litter, NATO, Standard	Each	Yes	S9M
6530-00-137-3016	Litter, mattress pads	Each	Yes	S9M
6530-00-784-4205	Litter Straps	Each	Yes	S9M
7210-00-139-5779	Blanket, Cotton (or Wool)	Each	Yes	S9M
6530-00-792-6000	IV Poles	Each	Yes	S9M
6530-00-788-4010	Restraint Set	Set	Yes	S9M

Changes or additions will be coordinated through ACSLOG and allow for variations or items unique to a particular Service or PMI Center.

LITTER_NATO	LITTER_OTHER	LITTERSTRAPS
LITTER_PADS	I_V_POLES	RESTRAINTSET
BLANKETCOTTN	BLANKET_WOOL	SPINAL_BOARD

The opportunity exists for other items to be coded, for example:

ARMY_LITTER	YOKOTAUNIQUE	NAVYSCOOLIT
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f. As the inventory (bar code items for AE, not necessarily PMI) grows, there will be extra equipment types to be established. These represent the supplementary items used in AE that can be tracked. AMC/SG will keep this list current:

BSS	battery support system	CAR	car seat
CMP	air compressor	CMT	computers
ECS	electrical cable assembly system	FRQ	frequency converter
INC	infant incubator	LOX	converter, liquid oxygen, portable
OWL	overweight litter	PAL	pediatric advanced life support
PCA	patient controlled analgesic pump	PRT	printers

## 12-6. SAMPLE EQUIPMENT ITEM- AND MANUFACTURER/MODEL NUMBER CODES

Below are all of the current codes in effect for digit 4, manufacturer's code. They are listed in alphabetical order by code.

### Battery Support System

#### BSS\_

Manufacturer/Model Number Code

<b>Y</b>	Zoll Single Unit Charger	6515-01-518-6016
<b>Z</b>	Zoll 4 Bay Charger/Conditioner	6515-01-509-2920UM

### Car Seat, Child

#### CAR\_

Manufacturer/Model Number Code

<b>A</b>	Cosco or Fisher-Price
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### Air Compressor

#### CMP\_

Manufacturer/Model Number Code

<b>A</b>	Timeter/Allied Health, AriDyne 3500
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### Computer, PMI Center or WRM

#### CMT\_

Manufacturer/Model Number Code

<b>A</b>	Laptop Computer (LapNote)	
<b>B</b>	Laptop Computer, Dell, Latitude, P100mHz	<b>BEING DELETED</b>
<b>C</b>	Laptop Computer, Micron Millenia	<b>BEING DELETED</b>
<b>D</b>	Laptop Computer, Micron Transport XPE	<b>BEING DELETED</b>
<b>E</b>	Laptop Computer, Toshiba	
<b>F</b>	Laptop Computer, Compaq Presario, Model 1620	
<b>J</b>	Handheld Computer, Hewlett-Packard Jornada 680/720	<b>BEING DELETED</b>

### Critical Care Platform System (also called SMEED)

#### CSSP

Manufacturer/Model Number Code

CSSP	SMEED – Critical Care Platform	6530-01-500-1989
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**Defibrillator/Monitor****DEF\_**

Manufacturer/Model Number Code

(W NSN is 6515-01-389-6740)

<b>A</b>	Physio-Control Lifepak 10-59 without case	6515-01-439-6694
	Lifepak 10-59 AAC-X	6515-01-429-9872
	Lifepak 10-59	6515-01-453-4003
<b>B</b>	Physio-Control Lifepak 10-43 AAC-W	6515-01-354-3150
<b>C</b>	Physio-Control Lifepak 10-47	
<b>E</b>	Physio-Control Lifepak 10-62	6515-01-464-2820 or 6515-01-441-9717
<b>P</b>	Physio-Control LifePak 10-59PMI (dual certified – fixed and rotary)	
<b>T</b>	Training Defibrillator - Not For Use On Patients (model recorded in serial # field)	
<b>Z</b>	Zoll CCT Defibrillator/Monitor, Biphasic	6515-01-516-1519

**(ECAS) Cable Assembly Set, Electrical****ECS\_**

Manufacturer/Model Number Code

<b>A</b>	Technical Services Laboratory (X8564030)	6150-01-222-1725
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**Expeditionary Deployable Oxygen Concentration System (EDOCS)****EDOX**

Manufacturer/Model Number Code

<b>X</b>	EDOCS	to be assigned
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**Frequency Converter****FRQ\_**

Manufacturer/Model Number Code

<b>B</b>	Avionics Inc, 4B3500-1AA-MV-735	6130-01-433-3718
<b>C</b>	Avionics INC, Modified for KC-135 use	6130-NCM-040691

**Incubator****INC\_**

Manufacturer/Model Number Code

<b>A</b>	International Biomed, ALSS, Model 185	6530-01-131-1396
<b>B</b>	International Biomed, ALSS, Model 185A	
<b>T</b>	Training Incubator - Not For Use With Patients	

**In-Flight Kit****IFK\_**

Manufacturer/Model Number Code

<b>A</b>	Main Drug Supply	6515-01-473-8678
<b>C</b>	ACLS Drug Supply	6515-01-477-6078
<b>D</b>	Airway Support Bag # 1	6515-01-477-6128
<b>E</b>	Airway Support Bag # 2	6515-01-477-6128
<b>F</b>	IV Supply Bag # 1	6515-01-477-6124
<b>G</b>	IV Supply Bag # 2	6515-01-477-6124
<b>H</b>	Bulk Supply Bag # 1	6515-01-477-6146
<b>I</b>	Bulk Supply Bag # 2	6515-01-477-6146

<b>J</b>	Patient Comfort Roll Pack # 1	6515-01-477-6134
<b>K</b>	Patient Comfort Roll Pack # 2	6515-01-477-6134
<b>L</b>	Dressing Roll Pack # 1	6515-01-477-6141
<b>M</b>	Dressing Roll Pack # 2	6515-01-477-6141
<b>N</b>	Ventilator Support Bag	6515-01-477-6165

### IV Controller

#### IVC\_

Manufacturer/Model Number Code

(W NSN is 6515-01-381-4456)

<b>A</b>	IVAC/Alaris MedSystem III (Model 2863/2863B)	6515-01-452-0625
<b>C</b>	IMED Products, Model 960A	6515-01-328-1244
<b>D</b>	IVAC/Alaris MedSystem III (Model 2865/2865B)	6515-01-486-4310
<b>T</b>	Training IV Controller - Not For Use With Patients (record model in serial # field)	

### Flight Support Kits

#### KIT\_ TO BE DELETED

Manufacturer/Model Number Code

<b>A</b>	Orange Tackle Box
<b>B</b>	C-21 Flight Support Kit
<b>C</b>	Westover ARB Flight Kit (439 <sup>th</sup> AES)
<b>D</b>	Contingency Kit (459 AES, Andrews)
<b>E</b>	Ambulatory Oxygen Kit (459 AES, Andrews)
<b>F</b>	Patient Linens Kit (459 AES, Andrews)
<b>O</b>	Mini-Mission Kit (459 AES, Andrews)
<b>P</b>	Medical Kit (459 AES, Andrews)

### Laboratory Analyzer

#### LAB\_ TO BE DELETED

Manufacturer/Model Number Code

<b>A</b>	i-STAT, Portable Clinical Analyzer	6630-01-411-2405
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### Liquid Oxygen Converter, Portable

#### LOX\_ TO BE DELETED

Manufacturer/Model Number Code

<b>A</b>	Essex Cryogenics CRU-87/U (PTLOX)	<b>BEING DELETED</b>	3655-01-222-9494
<b>N</b>	New Generation PTLOX, Essex Cryogenics	<b>TO BE DELETED</b>	
<b>T</b>	Training PTLOX - Not For Use With Patient Care	<b>BEING DELETED</b>	

### Mobile Oxygen Storage Tank (for AE use)

#### MOST

Manufacturer/Model Number Code

<b>T</b>	MOST-2B	6530-01-511-2702
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### Vital Signs Monitor

#### MON\_

Manufacturer/Model Number Code

(W NSN is 6515-01-418-2346)

<b>A</b>	Protocol Propaq 206EL - Encore	6515-01-432-2707
<b>B</b>	Protocol Propaq 106EL	6515-01-423-5872
<b>C</b>	Protocol Propaq 206EL - Encore with CO2 capnography	6515-01-432-2711
<b>D</b>	Protocol Propaq 206EL - Encore with printer	
<b>E</b>	Protocol Propaq 206EL without expansion module	
<b>T</b>	Training Vital Signs Monitor	

### **Narcotics Drug Kit**

**NAR\_**

Manufacturer/Model Number Code

**A** (not used)

### **Oxygen Analyzer**

**OAN\_**

Manufacturer/Model Number Code

<b>A</b>	Mine Safety Appliances (MSA) MiniOX 3000	6515-01-440-9394
<b>B</b>	Mine Safety Appliances (MSA) MiniOx III	6515-01-314-6721
<b>T</b>	Training Oxygen Analyzer	

### **Overweight Litter**

**OWL\_**

Manufacturer/Model Number Code

- A** Scott AFB, 375th AES
- B** Ramstein AB, 86<sup>th</sup> AES
- C** March ARB, 452<sup>nd</sup> AES

### **Oxygen Blender**

**OXB\_**

Manufacturer/Model Number Code

- A** Bird Air-Oxygen Blender (P/N 3500A)
- B** Bird Air-Oxygen Blender (P/N 3800A)

### **Patient Controlled Analgesic Pump**

**PCA\_**

Manufacturer/Model Number Code

**A** TBD

### **Pediatric Advanced Life Support Bag**

**PAL\_**

Manufacturer/Model Number Code

- A** TBD
- S** Broselow/Hinkle, PALS



**Pulse Oximeter****POX\_**

Manufacturer/Model Number Code

(W NSN is 6515-01-248-5984)

<b>A</b>	Nonin 8600 or 8600-USAF	6515-01-386-2978 or 6515-01-449-9707
<b>B</b>	BCI International 3303	6515-01-453-2174
<b>C</b>	BCI International 3304	6515-01-454-3269 or 6515-01-446-6766
<b>T</b>	Training Pulse Oximeter	

**Printers****PRT\_**

Manufacturer/Model Number Code

<b>A</b>	Okidata, OL 810e
<b>B</b>	Datamax Thermal Printer, Allegro 2
<b>E</b>	Hewlett-Packard LaserJet 1012

**Publications Kit****PUB\_**

<b>A</b>	Publications Kit
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**Respiratory Equipment****RES\_**

Manufacturer/Model Number Code

<b>A</b>	Bird Corporation, Model 5900	6530-00-149-1475
<b>B</b>	DELETED (Wright Respirometer)	
<b>C</b>	Bird Corporation, Mark 7A	6530-01-119-7679
<b>D</b>	DELETED (Wright Respirometer)	

**Stryker Frame****STR\_**

Manufacturer/Model Number Code

<b>K</b>	Stryker Spinal Turning Frame Model 965MO	6530-01-498-1889
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**Suction Apparatus****SXN\_**

Manufacturer/Model Number Code

(W NSN is 6515-01-284-8704 or 6515-01-460-9174)

<b>A</b>	Continuous/Intermittent, Impact 326M	6515-01-435-0050
<b>D</b>	Impact 325M	6515-01-435-5350
<b>T</b>	Training Suction Apparatus	

**Ventilator**  
**VEN\_**

Manufacturer/Model Number Code  
(W NSN is 6530-01-431-5146)

- |          |   |   |
|----------|---|---|
| <b>A</b> | Impact 754M (Eagle)   | 6530-01-455-1653 or<br>6515-01-464-0267 |
| <b>C</b> | Impact 750 (Univent)  | 6530-01-292-1049 or<br>6530-01-327-0686 |
| <b>D</b> | Bio-Med Devices MVP-10 Neonatal/Pediatric                   |   |
| <b>T</b> | Training Ventilator (model recorded in serial number field) |   |